STEREOSCOPIC PICTURE DISPLAY DEVICE

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Abstract of **JP3226095**

PURPOSE:To realize stereoscopic picture display without eyeglass with less limit of a visual position attended with a natural motion parallax by arranging plural two- dimension optical modulation means side by side in the direction of depth able to control light shield or light transmission for each picture element and using a controller provided separately so as to control the two-dimension optical modulation means. CONSTITUTION:Two-dimension modulation means Qm (m=1-n) able to control the light transmission state from a rear face for each picture element are prepared and n-set of the means are arranged in the depth direction. Let a two-dimension optical modulation means placed most this side with respect to the observer observing the display device be the means Q1. Then a stereoscopic picture is displayed by allowing a two-dimension optical modulation use controller DC to control the two-dimension optical modulation means Q1-Qn as follows. That is, one of the two-dimension optical modulation means Q1-Qn is selected as a main modulation means, on which a picture is displayed, light is transmitted in the two-dimension optical modulation means remote from the observer and the two-dimension optical modulation means close to the observer shields the light based on a background signal generated separately and all the two-dimension optical modulation means are controlled to be in use as the main modulation means in time division.